

9 January 1986

1/13/86

EO 11000.1B  
1 May 1984

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

1. Action Sponsor: Commanding General, Marine Corps Base, Camp Lejeune, NC 28542
2. Name, Address, Phone Number of Point of Contact: AC/S Facilities, MCB, CLNC  
Attn: Mr. G. Jones, Planning Section, Public Works Division

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

ROAD IMPROVEMENTS (BREWSTER BOULEVARD OVERPASS), P-672

I. PROJECT DESCRIPTION:

Construct an overpass at the intersection of Holcomb and Brewster Boulevards, two-lane extension of Brewster Boulevard and a controlled access at Piney Green Road and NC Highway 24 intersection. Proposed construction includes clearing and grubbing of right-of-way, bituminous concrete pavement, shellrock base over compacted fill, reinforced concrete bridges, guard rails, railroad crossing, site drainage, erosion control and revegetation, existing pavement, gatehouse, fencing and landscaping. Demolition of one structure, Building 712. (see attached site map)

II. PROJECT PURPOSE:

To correct major traffic deficiencies by timely dispersion of vehicles in a controlled flow.

III. SITE SELECTION:

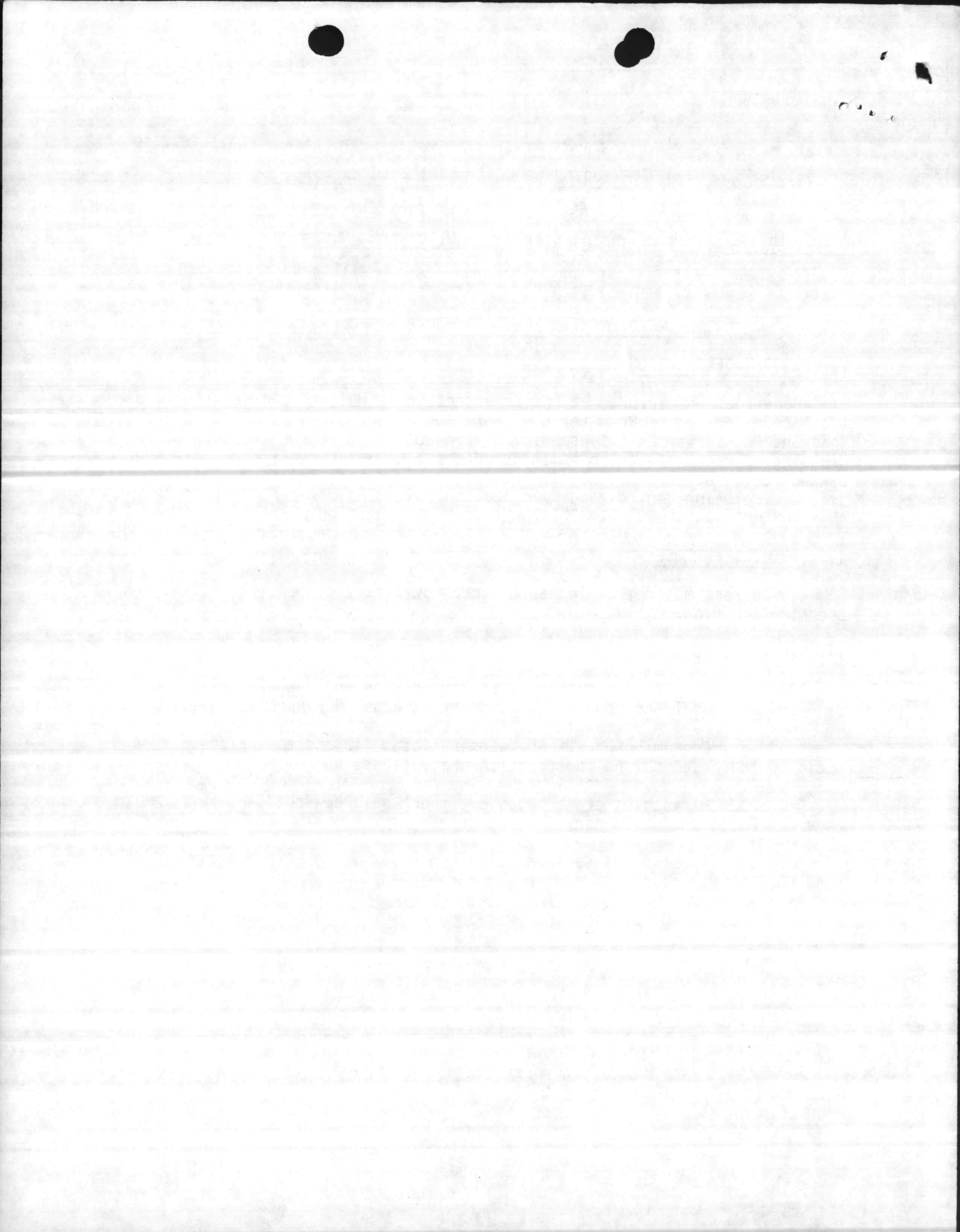
Site conforms to the current Base Master Plan and has been reviewed with Base Environmental personnel. Significant impacts addressed included:

- a. Contaminated site between Building 712 and the railroad tracks would be addressed during construction project design.
- b. Harvesting of marketable timber would be scheduled for the road corridor based on preliminary project drawings.
- c. Erosion and sedimentation control will require approval by NC Land Quality Division of a sediment control plan.
- d. Potential impact on wetlands will be defined based on preliminary construction drawings.

IV. CONCLUSION:

Based on the information provided above and inclusion of adequate environmental protective measures in the project design and construction plans, this project will not have significant adverse environmental impact on the environment. The project is not deemed controversial and preparation of an Environmental Assessment by MCO 6280.5 is not required.

ENCLOSURE (1)



EO 11000, 1B  
1 May 1984

4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

5. Potential Environmental Impact/Considerations: (See Note 1).

a. Air Quality: Will there be any open burning associated with the project/action? Yes Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? Yes

b. Land Quality: Will the action require use of significant amount of earthen fill material? Yes Will there be an increase in level of soil disturbance/damage to vegetation? Yes Will there be one acre or more of land cleared/disturbed? Yes

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? Yes Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? Yes

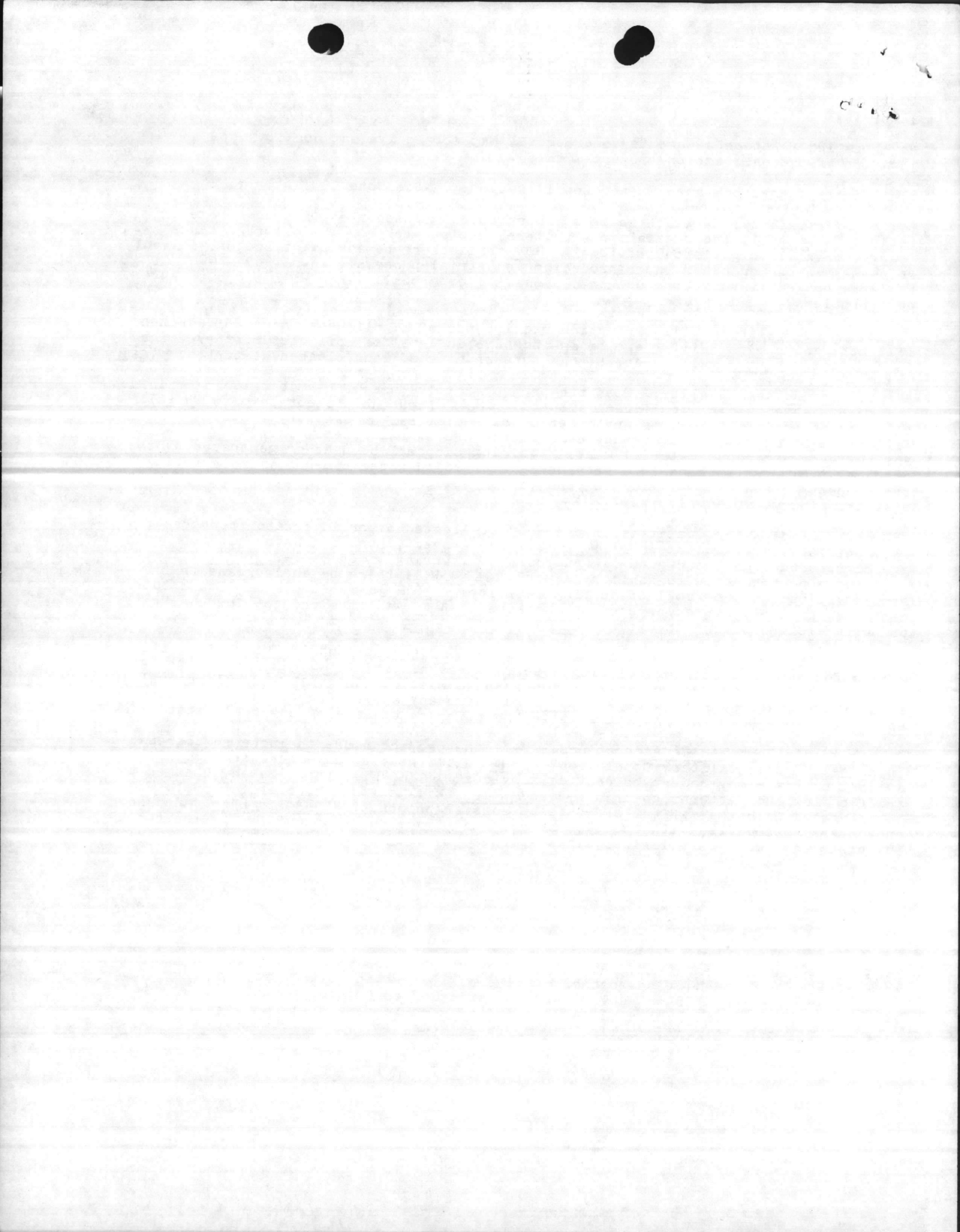
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? Yes Will there be an increase in erosion/siltation from soil disturbing activity? Yes Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? Yes

e. Natural Resources: Will there be a loss of forest land? Yes Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? Yes Will removal of existing vegetation be required? Yes Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? Unknown Will there be any changes to traffic flow and patterns on or off-base? Yes Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? Unknown Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

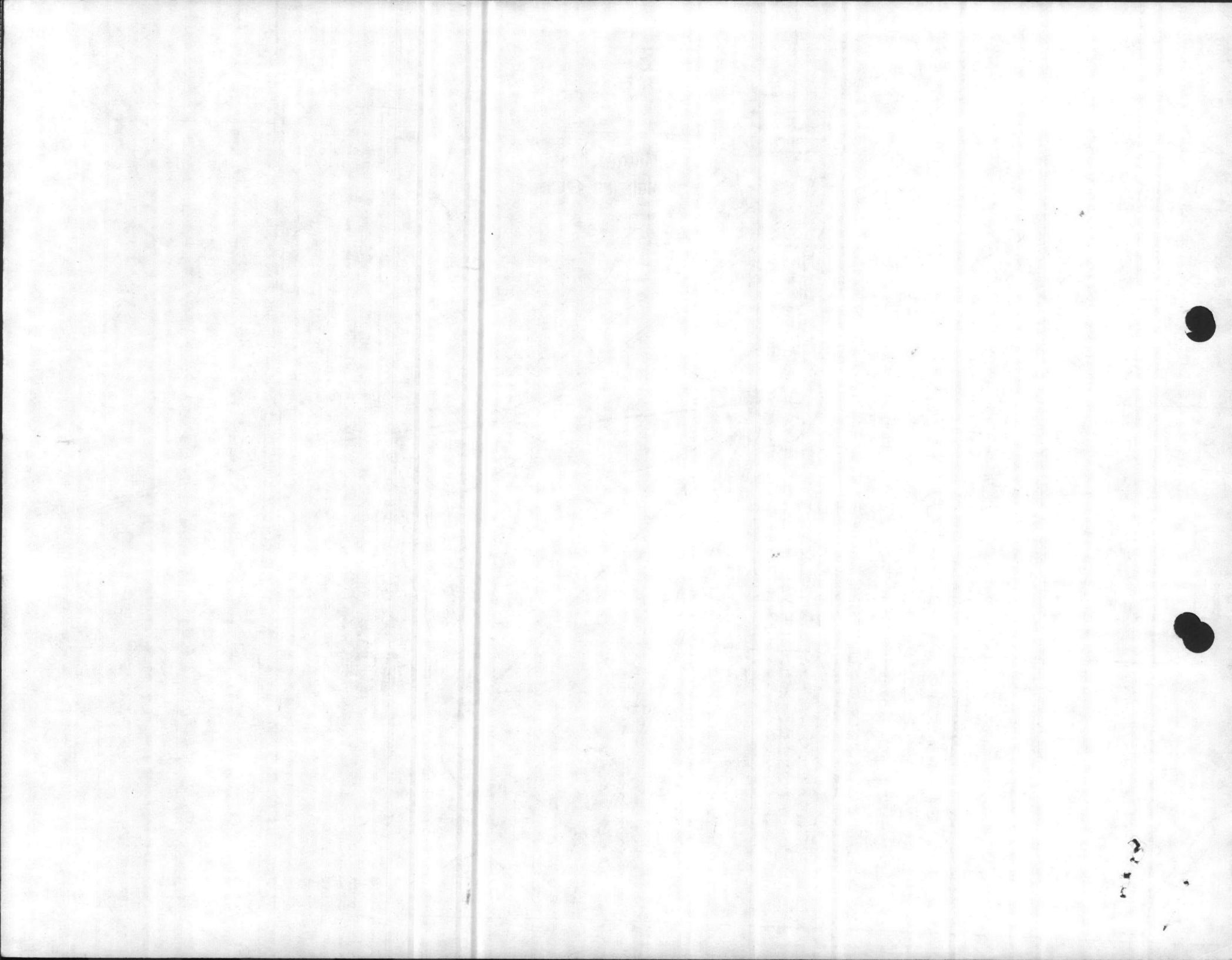
NOTE 1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRB.





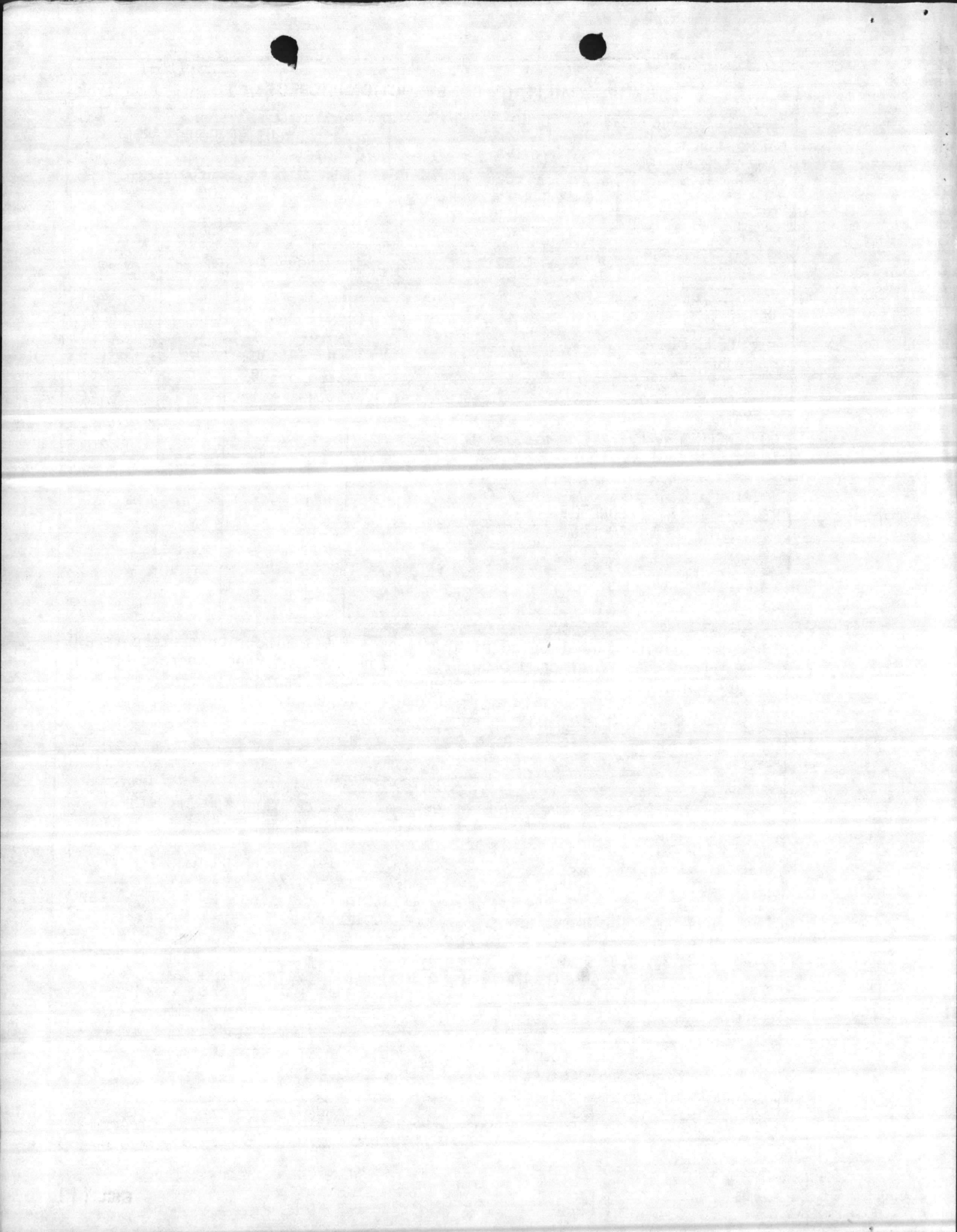




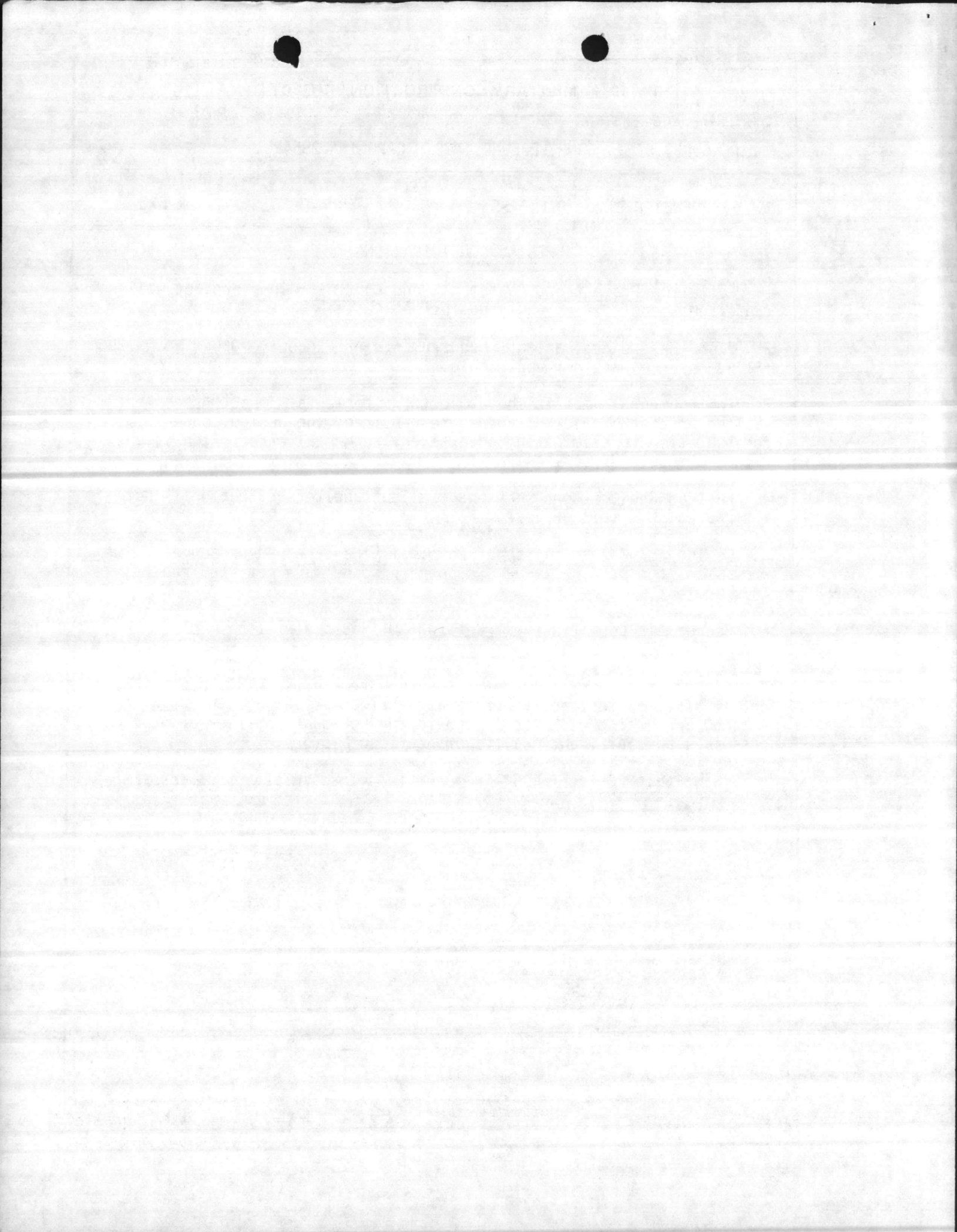


1. COMPONENT NAVY		FY 19 <u>87</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE 15 June 1984	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE ROADS, BREWSTER BOULEVARD OVERPASS		
5. PROGRAM ELEMENT		6. CATEGORY CODE 851-10	7. PROJECT NUMBER P-672		8. PROJECT COST (\$000) 500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ROAD IMPROVEMENTS		LS	-	-	449	
ROADS		LS	-	-	(212)	
CONCRETE OVERPASS		EA	1	-	(120)	
GUARD RAILS		LF	2,400	18	(58)	
CONCRETE HEADWALLS		SF	3,300	7	(31)	
SITE IMPROVEMENTS		LS	-	-	(27)	
SUBTOTAL		LS	-	-	449	
CONTINGENCY - 10%		-	-	-	45	
TOTAL CONTRACT COST		-	-	-	494	
SUPERVISION, INSPECTION & OVERHEAD - 5.5%		-	-	-	27	
TOTAL REQUEST		-	-	-	521	
TOTAL REQUEST (ROUNDED)		-	-	-	500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	-	-	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Provide clearing and grubbing right-of-way, 2" bituminous concrete pavement 8" shellrock base over compacted fill. Provide reinforced concrete bridge of 70' span, guard rails, and pavement markings. Resignalize Holcomb/Brewster intersection. Provide site drainage, concrete headwalls, seeding, mulching, and minimum landscaping.						
11. REQUIREMENTS: PROJECT: Upgrade Base access at main gate with overpass. REQUIREMENT: Grade separation between Holcomb Boulevard and Brewster Boulevard is required to allow safe traffic flow in and out of the main gate during peak traffic hours. CURRENT SITUATION: An average of 50,040 vehicles enter and exit the main gate daily. The morning peak traffic count is 5,237 vehicles per hour. The evening count is 5,864 per hour, a 20% increase since 1980. Brewster Boulevard, a major tributary to Holcomb Boulevard is located about 3,000 feet within the main gate. It is the access route to the new Base Hospital. Since the construction of the new hospital traffic has increased to such a level that on-grade traffic can no longer be safely managed at the Holcomb/Brewster intersection. Congestion at this intersection has caused traffic to back up as much as two miles on State Route 24 outside the main gate. IMPACT IF NOT PROVIDED: Continued unsafe Base ingress and egress with associated loss time for the military and civilian operational/work force and with a continued blocking of the Hospital access road.						
ALA						



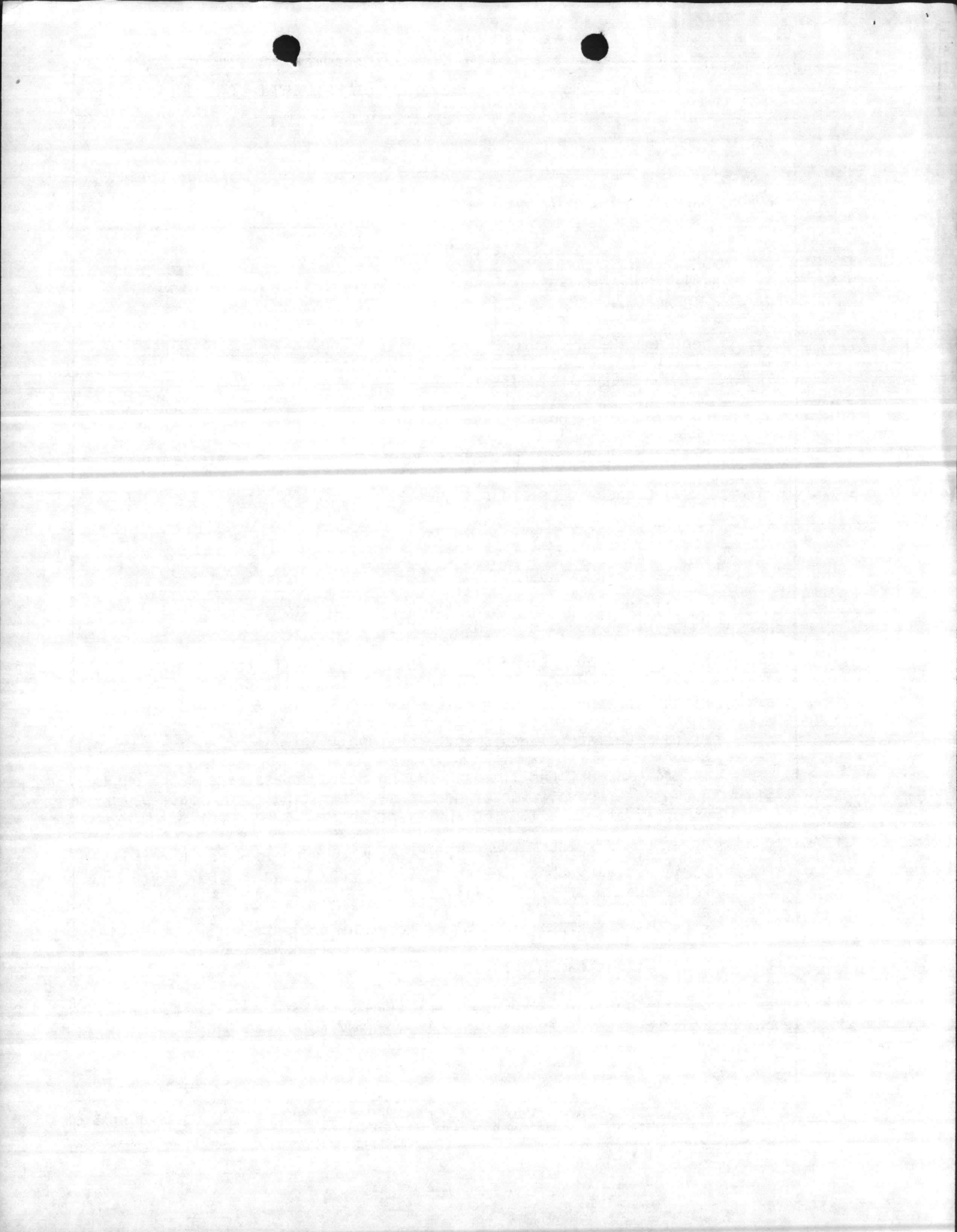


1. COMPONENT NAVY	FY 19 <sup>87</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 June 1984
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ROADS, BREWSTER BLVD. OVERPASS		5. PROJECT NUMBER P-672
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> <li>1. <u>Pollution Prevention, Abatement, and Control:</u> This project will not cause additional air or water pollution.</li> <li>2. <u>Flood Hazard Evaluation:</u> Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.</li> <li>3. <u>Environmental Impact:</u> The project Environmental Impact Assessment will be written, reviewed, and where required, the design concepts given consideration to eliminating adverse environmental effects consistent with applicable directives.</li> <li>4. <u>Fallout Shelter Construction:</u> Fallout shelter protection is not incorporated in this project.</li> <li>5. <u>Design for Accessibility of Physically Handicapped Personnel:</u> Provisions for physically handicapped personnel are not required in this project.</li> <li>6. <u>Use of Air Conditioning:</u> Ceiling "U" factors will be made to conform with DOD 4270.1-M.</li> <li>7. <u>Preservation of Historical Sites and Structures:</u> This project does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.</li> <li>8. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76):</u> Not applicable.</li> </ol>		



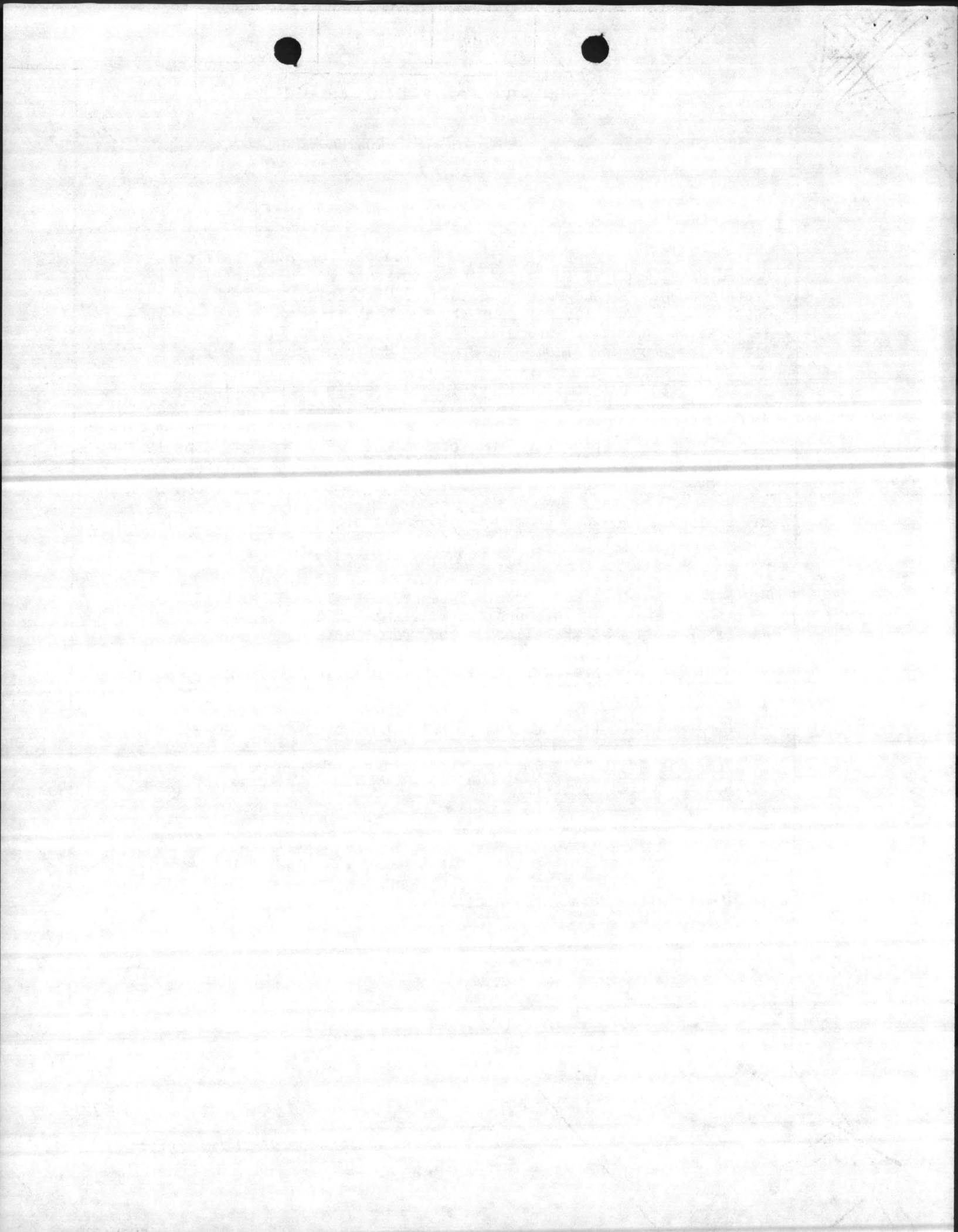


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4. PROJECT TITLE ROADS, BREWSTER BLVD. OVERPASS	5. PROJECT NUMBER P-672	
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>Project.</u> Provide an overpass at the intersection of Holcomb and Brewster Boulevards.</p> <p>2. <u>Current and Planned Future Workload with Regard to this Project.</u> This facility will be utilized on a daily basis, 24 hours per day. The duration of need is indefinite.</p> <p>3. <u>Description of Proposed Construction.</u></p> <p style="padding-left: 40px;">a. <u>Type of Construction.</u> Provide a reinforced concrete bridge of 70 foot span with guard rails and pavement markings with associated bituminous approach roads and resignalization of stop lights and signs.</p> <p style="padding-left: 40px;">b. <u>Replacement.</u> None</p> <p style="padding-left: 40px;">c. <u>Description of Work to be done.</u></p> <p style="padding-left: 80px;">(1) <u>Primary Facility.</u> All-weather reinforced concrete overpass with flexible pavement access roads.</p> <p style="padding-left: 80px;">(2) <u>Energy Conservation.</u> This project will reduce military and civilian fuel consumption by reducing the start/stop/idle time for a significant portion of the traffic entering and leaving the Base.</p> <p style="padding-left: 80px;">(3) <u>Collateral Equipment.</u> Not applicable.</p> <p style="padding-left: 80px;">(4) <u>Support Facilities.</u> Piling for overpass, storm drainage, site improvements, demolition of portions of existing road, traffic light resignalization, pollution abatement, etc.</p> <p>4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune is 0.95, NAVFAC P-438 (1984) Military Construction Cost Engineering Data, and escalated to FY-87 for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project.</u></p> <p style="padding-left: 40px;">a. <u>Justification for Project.</u></p> <p style="padding-left: 80px;">(1) <u>Project.</u> Proposed facility is required to allow safe ingress and egress to the Base and allow ready access to the Base Hospital.</p>		

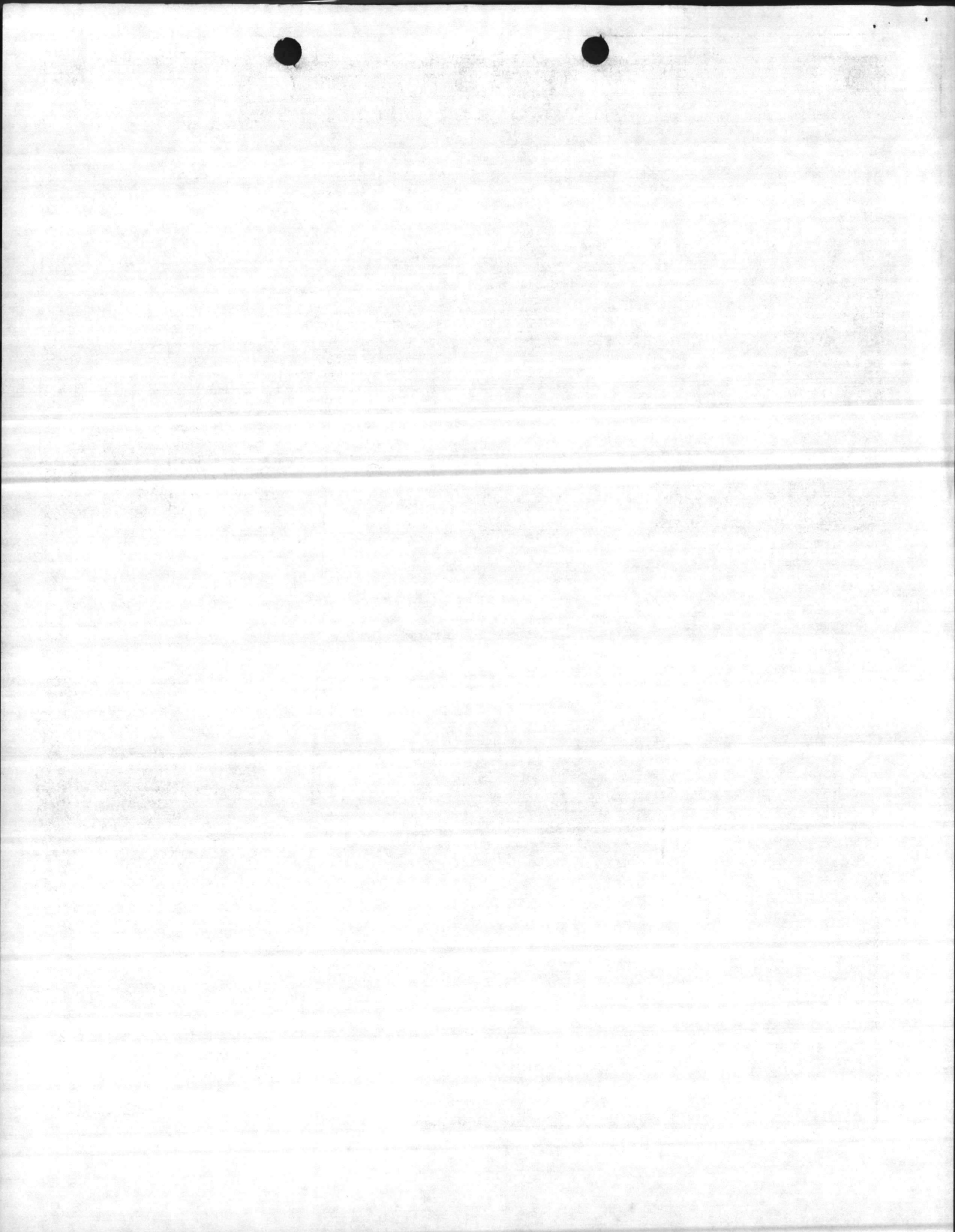


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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ROADS, BREWSTER BLVD. OVERPASS	5. PROJECT NUMBER P-672	
<p>(2) <u>Current Situation.</u> During peak periods, traffic is backed up as much as two miles on State Route 24. The total daily traffic count at the main gate is 50,040 vehicles, the peak morning load is 5,237 vehicles per hour and the peak afternoon load is 5,864 vehicles per hour. On-grade traffic control is no longer manageable at the junction of Holcomb and Brewster Boulevards.</p> <p>(3) <u>Impact if Not Provided.</u> Traffic will continue to back up on adjacent <u>civilian Route 24</u> and impede access to the new Hospital.</p> <p>b. <u>Justification for Scope of Project.</u> The project scope is the minimum <u>expenditure to provide the facility</u> needed to provide the proposed overpass.</p> <p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p> <p>7. <u>Common Support Facilities.</u> Not applicable.</p> <p>8. <u>Effect on Other Resources.</u> This project will not require support of other resources. This project will enhance and improve the safety and morale of personnel traveling to and from the Base.</p> <p>9. <u>Siting of the Project.</u> Project siting is in compliance with the Camp Lejeune Master Plan. See enclosure (1).</p> <p>10. <u>Other Graphic Presentations, including Photographs.</u> See enclosure (2).</p> <p>11. <u>Economic Analysis.</u> This project will generate a nominal energy savings by relieving start/stop/waiting during peak traffic periods.</p> <p>12. <u>Environmental Impact Assessment.</u> An Environmental Impact Assessment has been made and it has been determined that it will have neither a significant impact on the environment nor is it highly controversial.</p> <p>13. <u>Quantitative Data.</u> Not applicable.</p>		







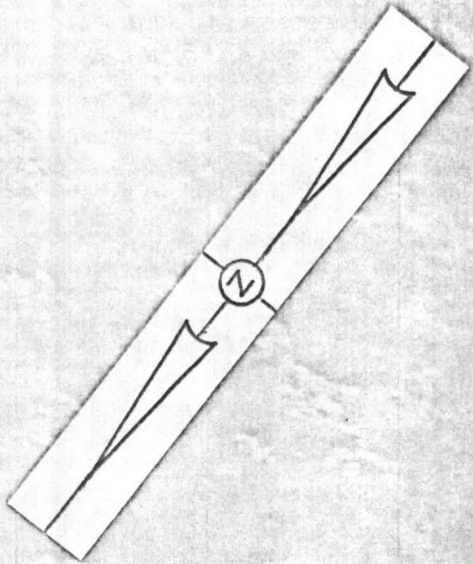




Unacceptable traffic buildup on Holcomb Blvd. during peak traffic period from 1600 to 1800.

Outbound

Inbound

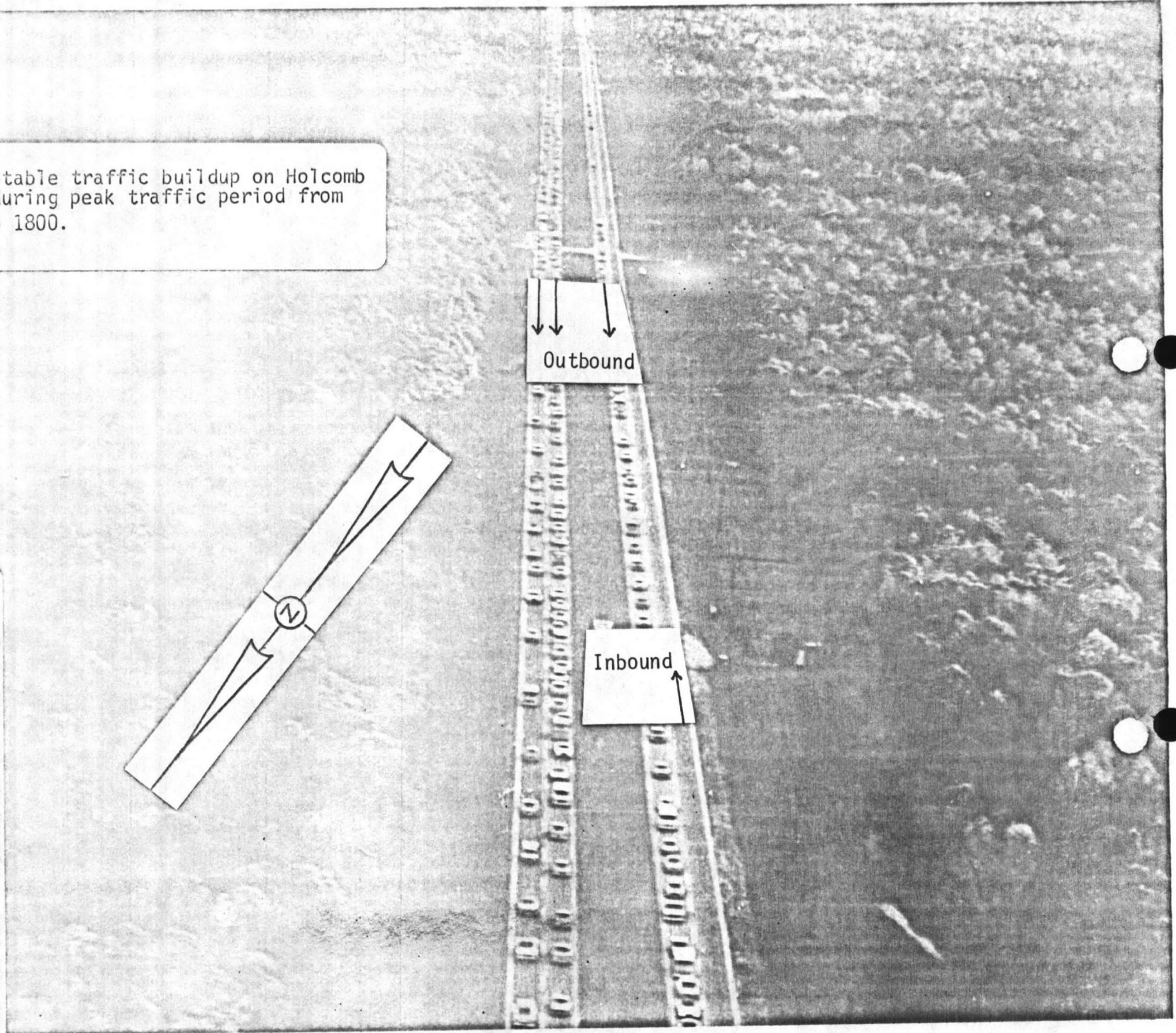


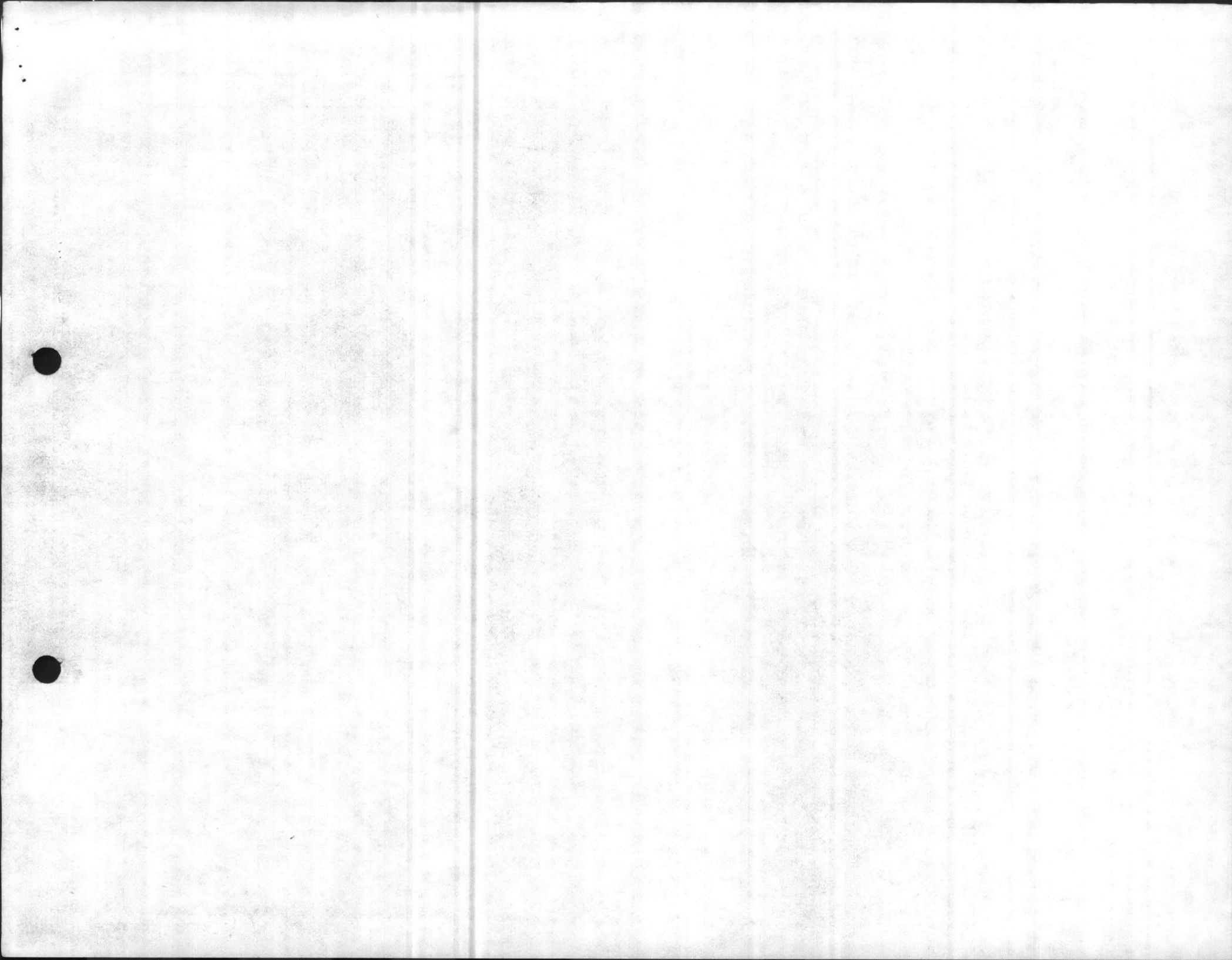
P-672

BREWSTER BOULEVARD OVERPASS

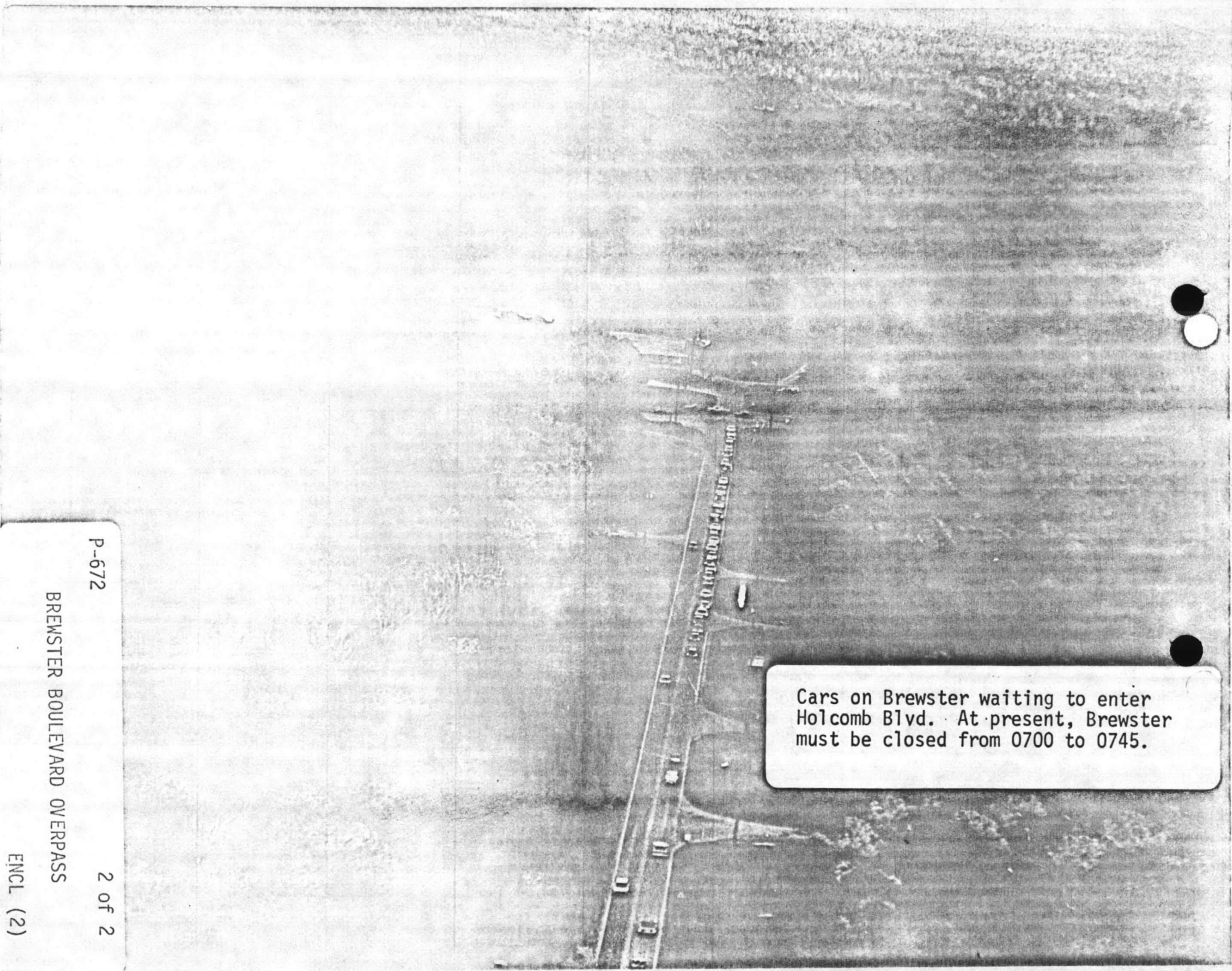
1 of 2

ENCL (2)









Cars on Brewster waiting to enter  
Holcomb Blvd. At present, Brewster  
must be closed from 0700 to 0745.

P-672

BREWSTER BOULEVARD OVERPASS

ENCL (2)

2 of 2





1. COMPONENT NAVY	FY 19 <u>87</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE REVISED 1 Mar 85
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3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542	4. PROJECT TITLE ROAD IMPROVEMENTS (BREWSTER BLVD. OVERPASS)
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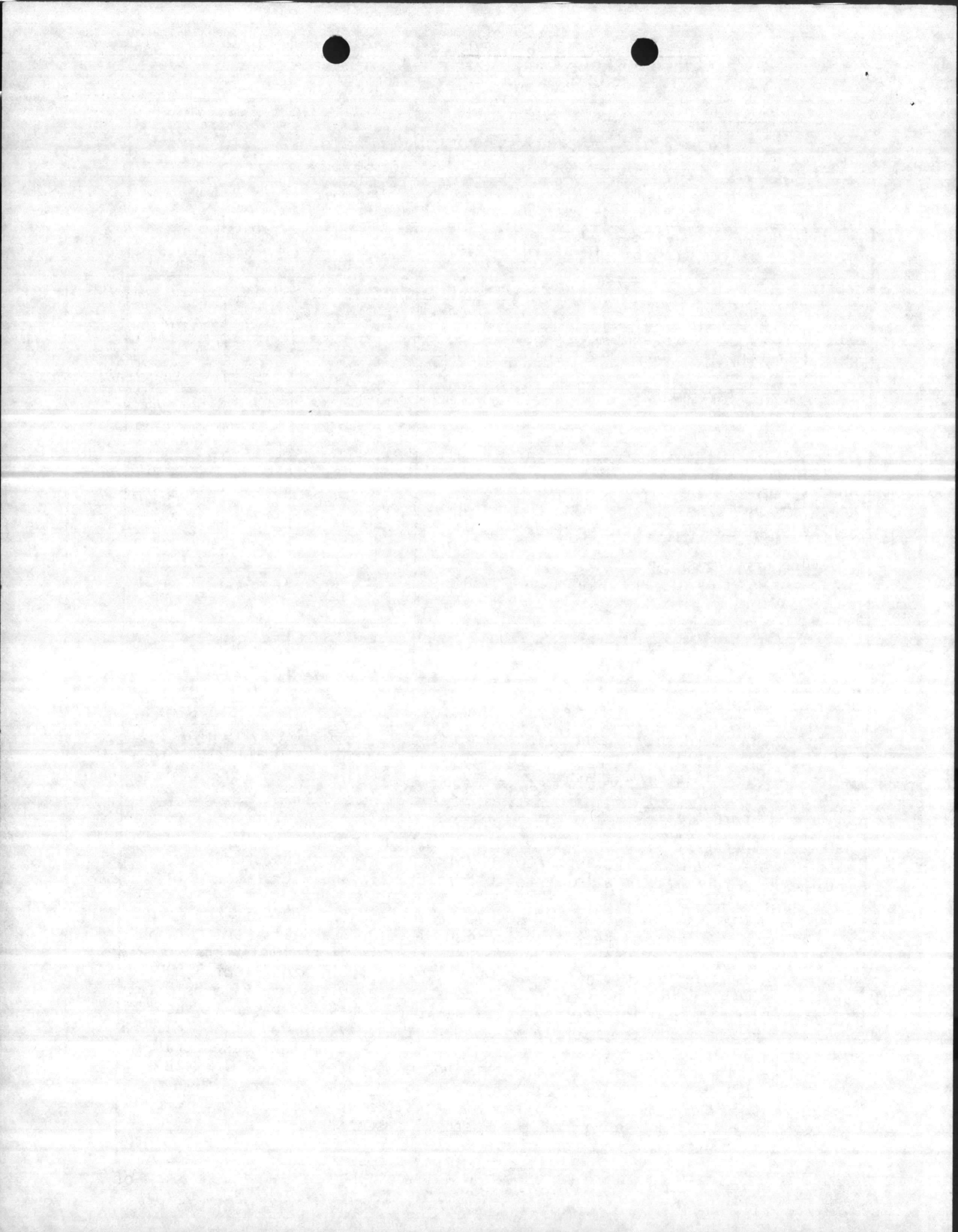
5. PROGRAM ELEMENT	6. CATEGORY CODE 851-10	7. PROJECT NUMBER P-672	8. PROJECT COST (\$000) 500
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**9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ROAD IMPROVEMENTS	LS	-	-	449
ROADS	LS	-	-	(212)
CONCRETE OVERPASS	EA	1	-	(120)
GUARD RAILS	LF	2,400	18	(58)
CONCRETE HEADWALLS	SF	3,300	7	(31)
SITE IMPROVEMENTS	LS	-	-	(27)
SUBTOTAL	LS	-	-	<u>449</u>
CONTINGENCY - 10%	-	-	-	45
TOTAL CONTRACT COST	-	-	-	<u>494</u>
SUPERVISION, INSPECTION & OVERHEAD - 5.5%	-	-	-	27
TOTAL REQUEST	-	-	-	<u>521</u>
TOTAL REQUEST (ROUNDED)	-	-	-	500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(non-add)	(0)

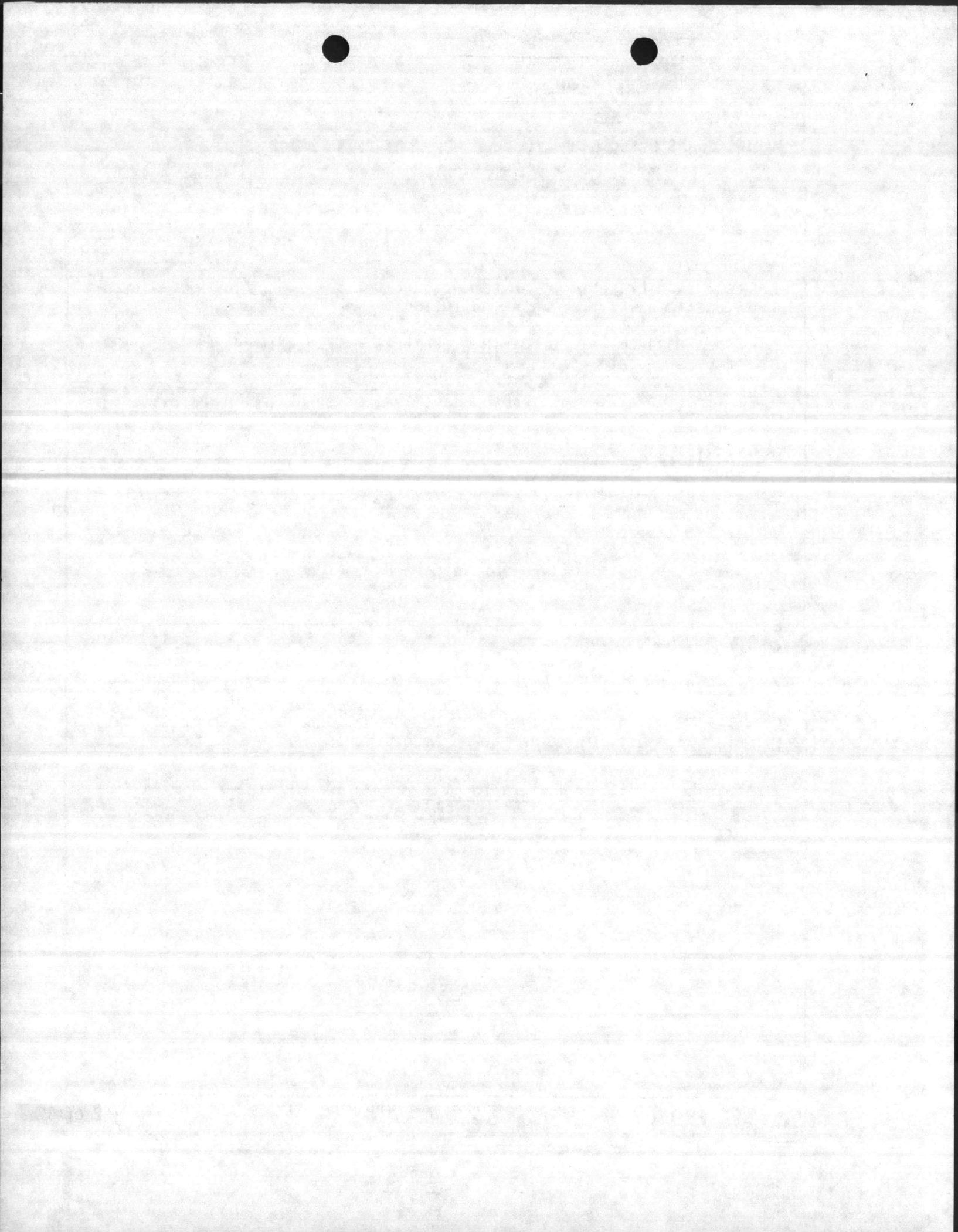
10. DESCRIPTION OF PROPOSED CONSTRUCTION  
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**II. REQUIREMENTS:**  
PROJECT: Upgrade Base access at main gate with overpass.  
REQUIREMENT: Grade separation between Holcomb Boulevard and Brewster Boulevard is required to allow safe traffic flow in and out of the main gate during peak traffic hours.  
CURRENT SITUATION: An average of 50,040 vehicles enter and exit the main gate daily. The morning peak traffic count is 5,237 vehicles per hour. The evening count is 5,864 per hour, a 20% increase since 1980. Brewster Boulevard, a major tributary to Holcomb Boulevard is located about 3,000 feet within the main gate. It is the access route to the new Base Hospital. Since the construction of the new hospital traffic has increased to such a level that on-grade traffic can no longer be safely managed at the Holcomb/Brewster intersection. Congestion at this intersection has caused traffic to back up as much as two miles on State Route 24 outside the main gate.  
IMPACT IF NOT PROVIDED: Continued unsafe Base ingress and egress with associated loss time for the military and civilian operational/work force and with a continued blocking of the Hospital access road.



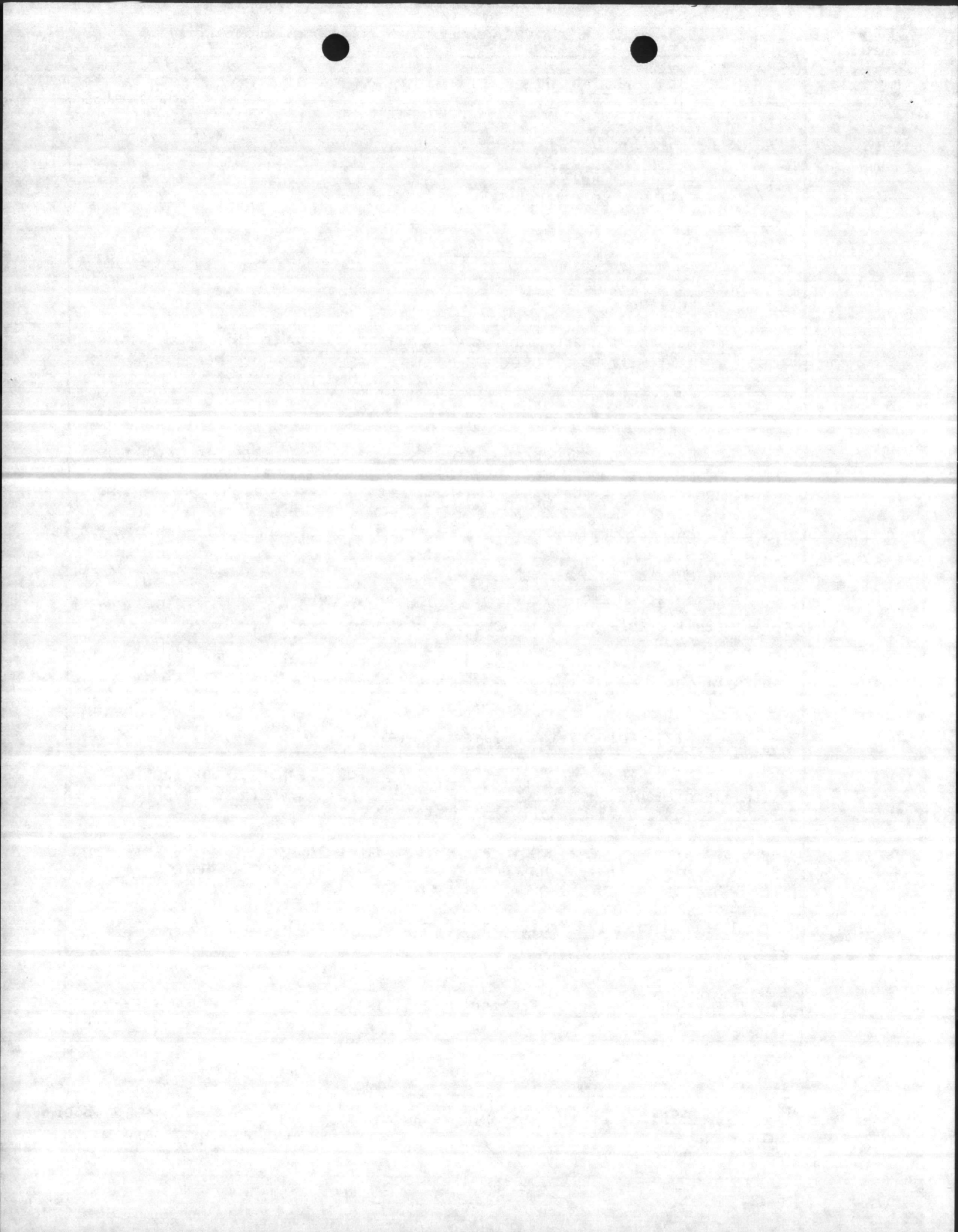


1. COMPONENT NAVY	FY 19 <sup>87</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 1 1985
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ROAD IMPROVEMENTS BREWSTER BLVD. OVERPASS		5. PROJECT NUMBER P-672
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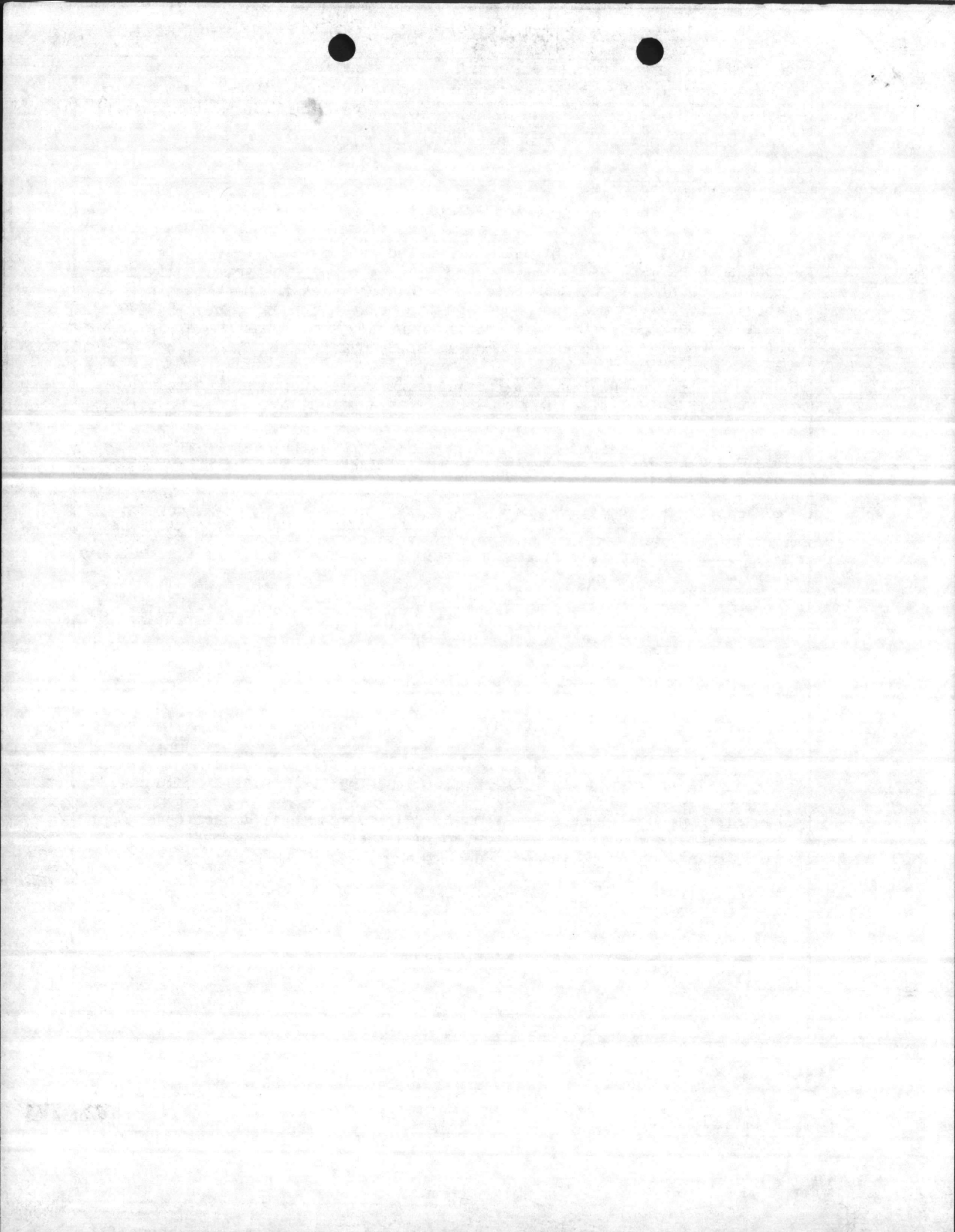


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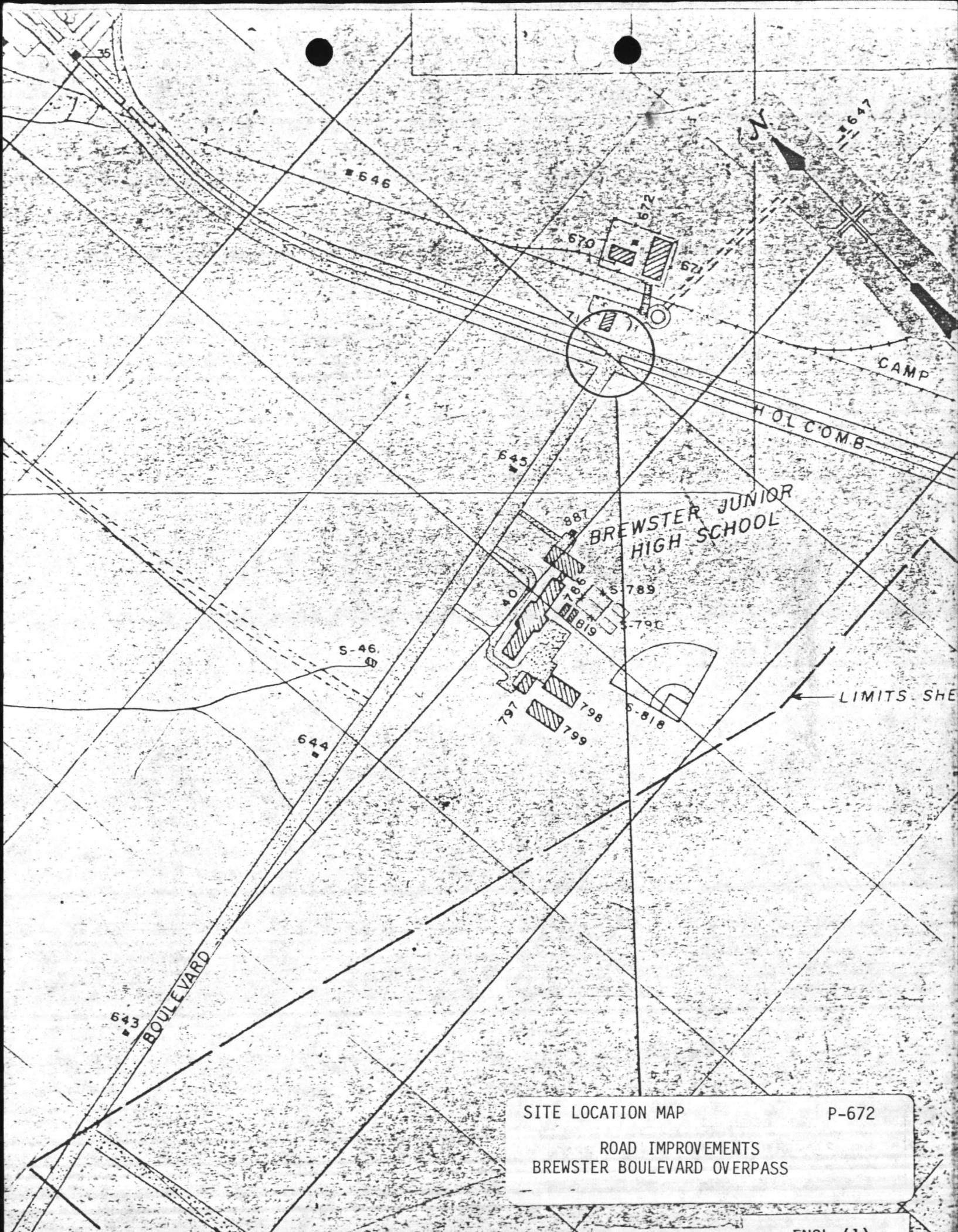




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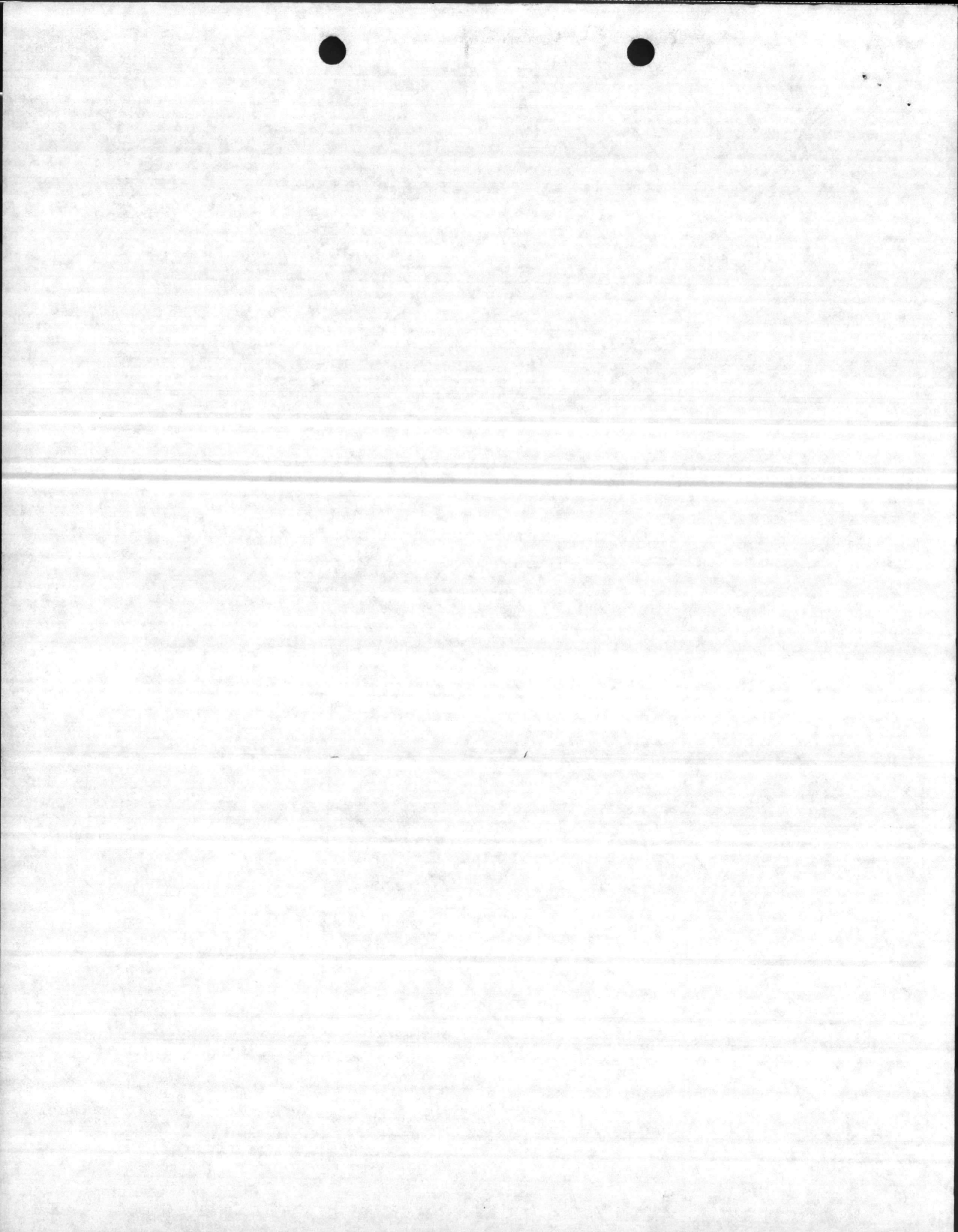




SITE LOCATION MAP

P-672

ROAD IMPROVEMENTS  
BREWSTER BOULEVARD OVERPASS





Unacceptable traffic buildup on Holcomb Blvd. during peak traffic period from 1600 to 1800.

Outbound

Inbound

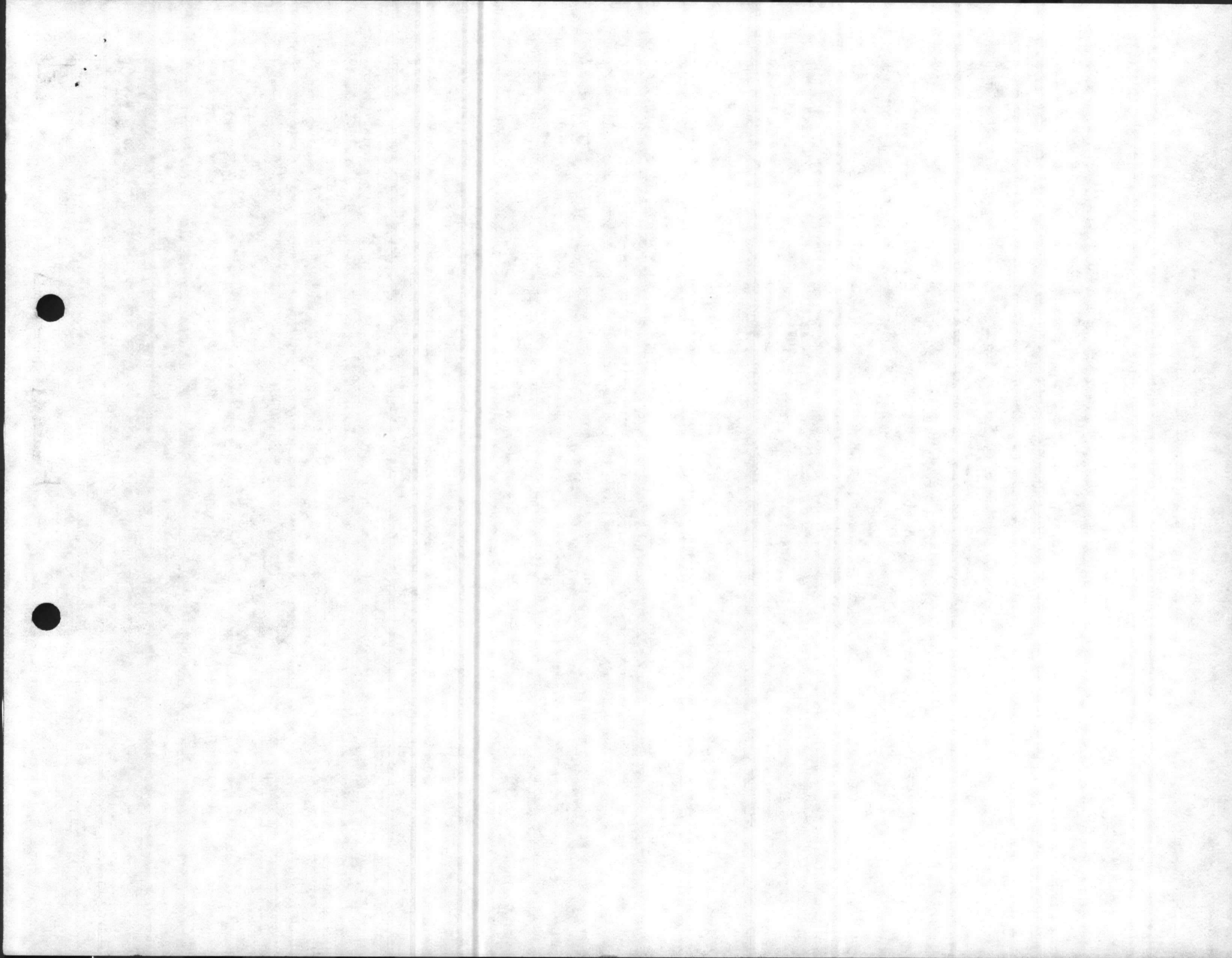
SITE LOCATION  
ROAD 1  
BREWSTER BOULE

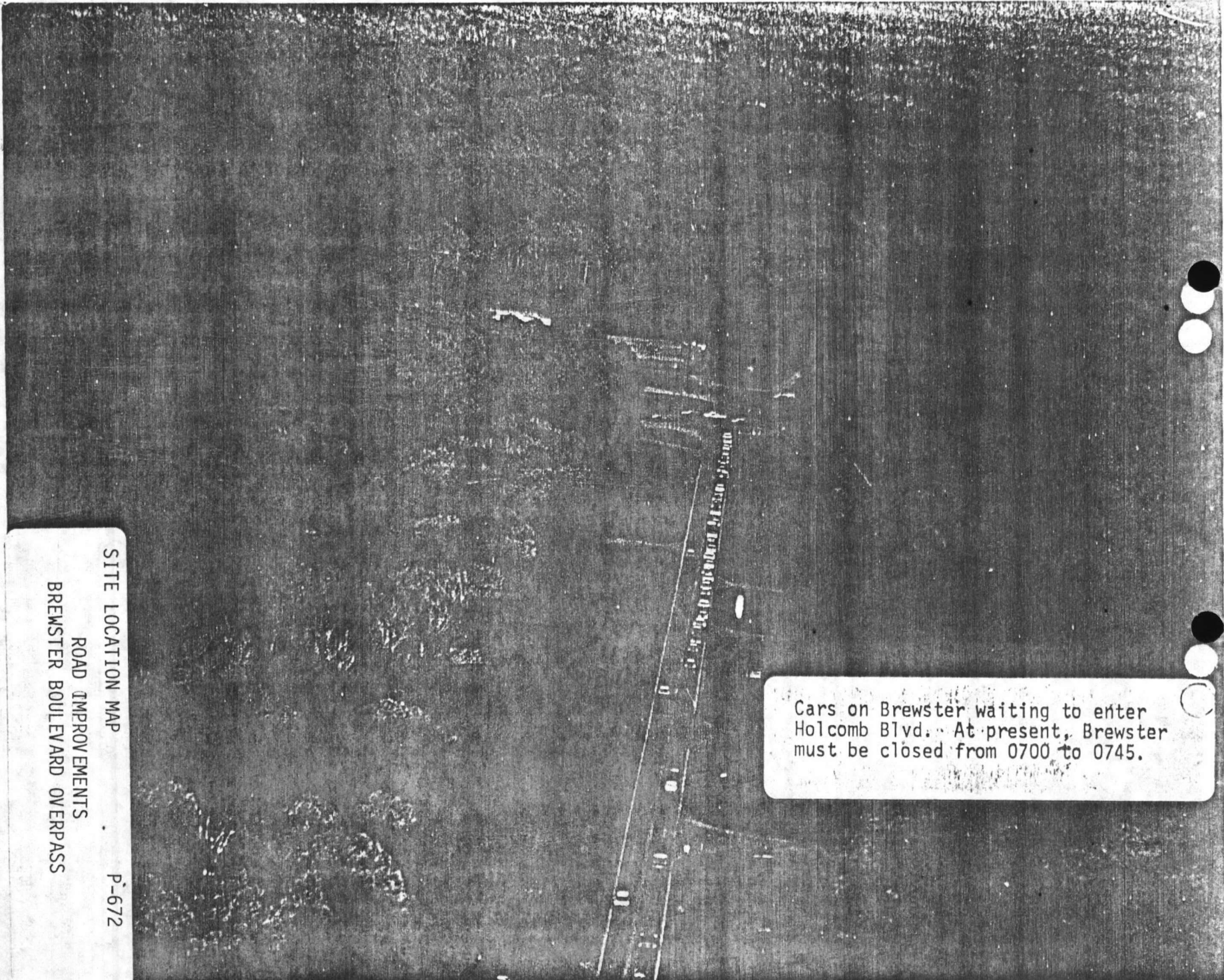
EMENTS  
OVERPASS

672

Encl (2)







Cars on Brewster waiting to enter  
Holcomb Blvd. At present, Brewster  
must be closed from 0700 to 0745.

SITE LOCATION MAP  
ROAD IMPROVEMENTS  
BREWSTER BOULEVARD OVERPASS  
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